

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
FISHERIES LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND

1975 RESEARCH VESSEL PROGRAMME

REPORT: RV CORELLA: CRUISE 14

(PROVISIONAL: Not to be quoted without prior reference to the author)

STAFF

D F Jefferies

I A Huggins

R J Read

D J Coles

DURATION

Left Lowestoft 1000 h. 24 September

Arrived Lowestoft 1615 h. 1 October

All times are Greenwich Mean Time

LOCALITY

Northern North Sea and Skagerak

AIMS

1. To continue the examination of the distribution of Caesium-137 in seawater of the North Sea area between Dover and 60°N for project RANOSP.
2. To collect seawater at selected stations for the examination of plutonium-238, plutonium 239 + 240 and Americium-241.

NARRATIVE

RV CORELLA sailed on the morning tide of 24 September and proceeded North to commence working a grid of stations at 1315 h. on 25 September. Work continued on the grid until 1900 h on 30 September when 30 stations had been worked. This then completed the PRL sampling programme on the original scheduled network of 68 stations. 38 other stations in the North Sea had been completed on CORELLA 13/75 and CIROLANA 8/75. The area between Dover and 55°N and an area off the Danish coast between 55° 30'N and 57° 30'N had been allocated to D.H.I. for sampling.

At all stations 50 litre samples of surface water were taken, filtered through 0.22 µm membrane filters and processed through ion exchange columns to remove selectively the caesium radionuclides. At 5 stations, including two in the Skagerak, depth samples were taken to examine the radiocaesium distribution with depth. At selected stations at least 60 litres of surface water were taken and acidified for later examination of plutonium and americium.

SEEN IN DRAFT J E M Balfour

D F Jefferies
15 October 1975

INITIALED DHC

DISTRIBUTION

Basic list

D F Jefferies

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